

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 10, 2004, 09:27:32 : Search time 32 Seconds  
(without alignments)  
582.405 Million cell updates/sec

Title: US-09-720-285-1

Perfect score: 1998

Sequence: 1 MPRGWAAPLLLLLQGGWGC.....YLRQWVPPPLSLSPGPGAS 361

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

#### Database :

- Issued Patents AA.\*
- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
  - 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*
  - 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1899.5	95.1	538	3	US-09-040-005-2
2	1899.5	95.1	538	4	US-09-522-217-115
3	1899.5	95.1	538	4	US-09-404-641-2
4	1899.5	95.1	538	4	US-09-923-246-115
5	1899.5	95.1	538	4	US-10-295-723-97
6	1197	59.9	606	4	US-09-522-217-97
7	1197	59.9	606	4	US-09-404-641-51
8	1197	59.9	606	4	US-09-923-246-97
9	1197	59.9	606	4	US-10-295-723-97
10	1151	57.6	529	4	US-09-404-641-85
11	1145	57.3	529	4	US-09-732-234-6
12	1145	57.3	529	4	US-09-784-859-6
13	637	31.9	397	4	US-09-404-641-81
14	240	12.0	551	3	US-09-194-145-2
15	240	12.0	551	6	5198359-2
16	240	12.0	551	6	5449756-2
17	233.5	11.7	539	6	5449756-4
18	233.5	11.6	539	6	5198359-4
19	222.5	11.1	468	1	US-08-164-614A-7
20	222.5	11.1	468	2	US-08-456-489B-7
21	205	10.3	438	4	US-09-339-838-5
22	205	10.3	438	4	US-09-339-838-7
23	198	9.9	508	2	US-08-850-293-5
24	194	9.7	500	4	US-09-596-377A-29
25	192	9.6	522	1	US-08-164-614A-10
26	192	9.6	522	2	US-08-456-489B-10
27	191.5	9.6	501	4	US-09-596-377A-28

28	190.5	9.5	500	4	US-09-596-377A-34	Sequence 34, Appl
29	190.5	9.5	501	4	US-09-596-377A-27	Sequence 27, Appl
30	187.5	9.4	379	1	US-08-164-614A-8	Sequence 8, Appl
31	187.5	9.4	379	2	US-08-456-489B-8	Sequence 8, Appl
32	187.5	9.4	536	1	US-08-164-614A-12	Sequence 12, Appl
33	187.5	9.4	536	2	US-08-456-489B-12	Sequence 12, Appl
34	185.5	9.3	369	2	US-08-424-224-2	Sequence 2, Appl
35	185.5	9.3	369	5	PCT-US94-02891-69	Sequence 69, Appl
36	176	8.8	581	4	US-09-851-985-4	Sequence 4, Appl
37	176	8.8	694	4	US-09-851-985-2	Sequence 2, Appl
38	174	8.7	897	1	US-07-960-389-2	Sequence 2, Appl
39	173	8.7	825	4	US-09-921-667-16	Sequence 16, Appl
40	173	8.7	826	4	US-09-687-050-6	Sequence 6, Appl
41	169	8.5	52	4	US-03-404-641-79	Sequence 79, Appl
42	167.5	8.4	635	1	US-08-184-327A-4	Sequence 4, Appl
43	167.5	8.4	635	2	US-08-078-311-1	Sequence 1, Appl
44	167.5	8.4	635	2	US-08-460-402-1	Sequence 1, Appl
45	167.5	8.4	635	5	PCT-US95-00670-4	Sequence 4, Appl

#### ALIGNMENTS

#### RESULT 1

US-09-040-005-2  
; Sequence 2, Application US/09040005  
; Patent No. 6057128  
; GENERAL INFORMATION:  
; APPLICANT: Donaldson, Debra  
; APPLICANT: Unger, Michelle  
; TITLE OF INVENTION: MU-1 RECEPTOR  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genetics Institute, Inc.  
; STREET: 87 Cambridgepark Drive  
; CITY: Cambridge  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02140  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/09/040,005  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brown, Scott A  
; REGISTRATION NUMBER: 32,724  
; REFERENCE/DOCKET NUMBER: G15320  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-498-8224  
; TELEFAX: 617-876-5851  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 538 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-040-005-2

Query Match 95.1%; Score 1899.5; DB 3; Length 538;  
Bes. Local Similarity 67.1%; Pred. No. 5.3e-182;  
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;

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Db	1	MPRGWAAPLLLLLQGGWGPCDLYCYTDYLTQVTCILEMNNLHSTLTLTWQDQYEEKLD	60
Qy	61	EATSCSLHRAHNATHATYTCMDVHFMDADIFSVNITDQSGNYSQECGSLFLAESIKP	120

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Db 61 EATCSLHSAHNAHTATYTCMDVPHFMAADDIFSVNITDQSGNYSECGSFLLAESIKP 120
Qy 121 APPFNTVTFSGQYNISWRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Db 121 APPFNTVTFSGQYNISWRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Qy 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYGQGTWSESDPVIPTQSEELKEGWNPHLL 240
Db 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYGQGTWSESDPVIPTQSEELKEGWNPHLL 240
Qy 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKWKVGPFTGSS 300
Db 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKWKVGPFTGSS 300
Qy 301 LELGPMSPVPSTLEVYCHPP----- 322
Db 301 LELGPMSPVPSTLEVYCHPP----- 360
Qy 323 ----- 322
Db 361 SAYSEERDRPYGLVSDITVTVLDAEGCTWPCSCDDGYPALDLDAGLEPSPGLEPDL 420
Qy 323 ----- 322
Db 421 AGTTVLSCGCVSAGSGLGGPLGSLDLRLKPLADGEDWAGGLPWGGRSPGVSESEAGS 480
Qy 323 -----SSPVECDTSPGDEGPPRSYLRQWVVIPTPLSSPGPQAS 361
Db 481 PLAGLMDTDSGFVSGDCSSPVECDTSPGDEGPPRSYLRQWVVIPTPLSSPGPQAS 538

RESULT 2
US-09-522-217-115
; Sequence 115, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZAPLHALL LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/09/522,217
; PRIOR FILING DATE: 2000-03-09
; EARLIER APPLICATION NUMBER: US 60/123,547
; EARLIER FILING DATE: 1999-03-09
; EARLIER APPLICATION NUMBER: US 60/123,904
; EARLIER FILING DATE: 1999-03-11
; EARLIER APPLICATION NUMBER: US 60/142,013
; EARLIER FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-522-217-115

Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Qy 1 MPRGWAAPLLLLLLQGGWGPCDLYCYTDYLTQVTCILEMNNLHPSTLTITWQDYBELKD 60
Db 1 MPRGWAAPLLLLLLQGGWGPCDLYCYTDYLTQVTCILEMNNLHPSTLTITWQDYBELKD 60

Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Qy 61 EATCSLHSAHNAHTATYTCMDVPHFMAADDIFSVNITDQSGNYSECGSFLLAESIKP 120
Db 61 EATCSLHSAHNAHTATYTCMDVPHFMAADDIFSVNITDQSGNYSECGSFLLAESIKP 120
Qy 121 APPFNTVTFSGQYNISWRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Db 121 APPFNTVTFSGQYNISWRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Qy 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYGQGTWSESDPVIPTQSEELKEGWNPHLL 240
Db 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYGQGTWSESDPVIPTQSEELKEGWNPHLL 240
Qy 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKWKVGPFTGSS 300
Db 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKWKVGPFTGSS 300
Qy 301 LELGPMSPVPSTLEVYCHPP----- 322
Db 301 LELGPMSPVPSTLEVYCHPP----- 360
Qy 323 ----- 322
Db 361 SAYSEERDRPYGLVSDITVTVLDAEGCTWPCSCDDGYPALDLDAGLEPSPGLEPDL 420
Qy 323 ----- 322
Db 421 AGTTVLSCGCVSAGSGLGGPLGSLDLRLKPLADGEDWAGGLPWGGRSPGVSESEAGS 480
Qy 323 -----SSPVECDTSPGDEGPPRSYLRQWVVIPTPLSSPGPQAS 361
Db 481 PLAGLMDTDSGFVSGDCSSPVECDTSPGDEGPPRSYLRQWVVIPTPLSSPGPQAS 538

RESULT 3
US-09-404-641-2
; Sequence 2, Application US/09404641
; Patent No. 6576744
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Conklin, Darrell C.
; APPLICANT: No. 6576744ak, Julia E.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZAPLHALL
; FILE REFERENCE: 98-55
; CURRENT APPLICATION NUMBER: US/09/404,641
; CURRENT FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/100,896
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: US 60/123,546
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: US 60/142,574
; PRIOR FILING DATE: 1999-07-06
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-404-641-2

Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Qy 1 MPRGWAAPLLLLLLQGGWGPCDLYCYTDYLTQVTCILEMNNLHPSTLTITWQDYBELKD 60
Db 1 MPRGWAAPLLLLLLQGGWGPCDLYCYTDYLTQVTCILEMNNLHPSTLTITWQDYBELKD 60

Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Db 121 APPNVTVTFSGQYNIWSRSDYEDPAFYMLKGLQYELQYRNRGDPWAVSPRRKLIISVDS 180
Qy 181 RVSLLPLEFRKDSYELQVRAGMPGSSYQGTWSESDPVIQTQSEBELKEGWNPHLLL 240
Db 181 RVSLLPLEFRKDSYELQVRAGMPGSSYQGTWSESDPVIQTQSEBELKEGWNPHLLL 240
Qy 241 LLLLIVIPAFWSLKTTHPLWRLWKIWAIVSPERFPMPLYKGCSDGDFKXWVGAPFTGSS 300
Db 241 LLLLIVIPAFWSLKTTHPLWRLWKIWAIVSPERFPMPLYKGCSDGDFKXWVGAPFTGSS 300
Qy 301 LELGWSPEVSTLEVISCHPP----- 322
Db 301 LELGWSPEVSTLEVISCHPPSPAKRLQLTELQEPALVESDGVKPSFWPTAQNNGG 360
Qy 323 ----- 322
Db 361 SAYSEERDRPYGLVSDITVTVLDAEGPCTWPCSCEDDGVYALDLDAGLESPGLEPDL 420
Qy 323 ----- 322
Db 421 AGTTVLSCGVSAGSPGLGGPLGSLDLRLKPLADGEDWAGLPGWGRSPGVSSEAGS 480
Qy 323 -----SSPVECDFTSPGDEGPPRSYLRQWVVIPTPLSPGPQAS 361
Db 481 PLAGLMDTDFSGFVGSDCSPVECDFTSPGDEGPPRSYLRQWVVIPTPLSPGPQAS 538
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## RESULT 4

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US-09-923-246-115
; Sequence 115, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
; APPLICANT: No. 6605272ak, Julia E.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/09/923,246
; CURRENT FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
; PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-923-246-115
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Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Qy 1 MPRGWAAPLLLLLQGGWCPDLVYQTYDYLQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
Db 1 MPRGWAAPLLLLLQGGWCPDLVYQTYDYLQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
Qy 61 EATCSLHRSNAHATHATYTCMDVHFMAADIFSVNITDQSGNYSQBCGSLAESIKP 120
Db 61 EATCSLHRSNAHATHATYTCMDVHFMAADIFSVNITDQSGNYSQBCGSLAESIKP 120
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Qy 121 APPNVTVTFSGQYNIWSRSDYEDPAFYMLKGLQYELQYRNRGDPWAVSPRRKLIISVDS 180
Db 121 APPNVTVTFSGQYNIWSRSDYEDPAFYMLKGLQYELQYRNRGDPWAVSPRRKLIISVDS 180
Qy 181 RVSLLPLEFRKDSYELQVRAGMPGSSYQGTWSESDPVIQTQSEBELKEGWNPHLLL 240
Db 181 RVSLLPLEFRKDSYELQVRAGMPGSSYQGTWSESDPVIQTQSEBELKEGWNPHLLL 240
Qy 241 LLLLIVIPAFWSLKTTHPLWRLWKIWAIVSPERFPMPLYKGCSDGDFKXWVGAPFTGSS 300
Db 241 LLLLIVIPAFWSLKTTHPLWRLWKIWAIVSPERFPMPLYKGCSDGDFKXWVGAPFTGSS 300
Qy 301 LELGWSPEVSTLEVISCHPP----- 322
Db 301 LELGWSPEVSTLEVISCHPPSPAKRLQLTELQEPALVESDGVKPSFWPTAQNNGG 360
Qy 323 ----- 322
Db 361 SAYSEERDRPYGLVSDITVTVLDAEGPCTWPCSCEDDGVYALDLDAGLESPGLEPDL 420
Qy 323 ----- 322
Db 421 AGTTVLSCGVSAGSPGLGGPLGSLDLRLKPLADGEDWAGLPGWGRSPGVSSEAGS 480
Qy 323 -----SSPVECDFTSPGDEGPPRSYLRQWVVIPTPLSPGPQAS 361
Db 481 PLAGLMDTDFSGFVGSDCSPVECDFTSPGDEGPPRSYLRQWVVIPTPLSPGPQAS 538
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## RESULT 5

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US-10-295-723-115
; Sequence 115, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
; APPLICANT: No. 6686178ak, Julia E.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/10/295,723
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: 09/522,217
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: US 60/123,547
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: US 60/123,904
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/142,013
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-723-115
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Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Qy 1 MPRGWAAPLLLLLQGGWCPDLVYQTYDYLQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
Db 1 MPRGWAAPLLLLLQGGWCPDLVYQTYDYLQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
Qy 61 EATCSLHRSNAHATHATYTCMDVHFMAADIFSVNITDQSGNYSQBCGSLAESIKP 120
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Db	61	EATSCSLHRSAHNATHAYTCHMDVHFHMADDFSVNITDSGNTSQCGSFLIAESIKP	120
Qy	121	APPENVITVFSQYNISWRSDYEDPAFYMLKGKLOYELOYRNRGDPWAVSPRKKLIISYDS	180
Db	121	APPENVITVFSQYNISWRSDYEDPAFYMLKGKLOYELOYRNRGDPWAVSPRKKLIISYDS	180
Qy	181	RSVSLPLLEFRKDSYSELQVRAGMPGSSYOGTSEWSDPVIQTQSBEKEGWNPHLLL	240
Db	181	RSVSLPLLEFRKDSYSELQVRAGMPGSSYOGTSEWSDPVIQTQSBEKEGWNPHLLL	240
Qy	241	LLLLVIVIFIPAFWSLKTPLRLWLKKIIVAVSPERFFMFLYKCGSGDKKWKVGAFTGSS	300
Db	241	LLLLVIVIFIPAFWSLKTPLRLWLKKIIVAVSPERFFMFLYKCGSGDKKWKVGAFTGSS	300
Qy	301	LELGPWSPPEVSTLEVTSCHPP-----	322
Db	301	LELGPWSPPEVSTLEVTSCHPPSPAKRLQITELQEPALVESDGVKPKSPFWFTAQNSGG	360
Qy	323	-----	322
Db	361	SAYSEERDRPYGLYSIDTVITVLDAEGPCTWPCSCEDDGYPALDLDAGLESPFGLDPLLD	420
Qy	323	-----	322
Db	421	AGTTVLSGCVSAGSPGLGGPLGSLLDRLKPLADGEDWAGLPGGRSPGVSSESEAGS	480
Qy	323	-----SSPVECDFTSPGDEGPPRSYLRLQWVVIPTPLSPGPOAS	361
Db	481	FLAGLMDMTFDSGFVGSDCSPFECDEFTSPGDEGPPRSYLRLQWVVIPTPLSPGPOAS	538

```

RESULT 6
US-09-522-217-97
; Sequence 97, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
; APPLICANT: No 6307024ak, Julia E.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHALL LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/09/522,217
; EARLIER FILING DATE: 2000-03-09
; EARLIER APPLICATION NUMBER: US 60/123,547
; EARLIER FILING DATE: 1999-03-09
; EARLIER APPLICATION NUMBER: US 60/123,904
; EARLIER FILING DATE: 1999-03-11
; EARLIER APPLICATION NUMBER: US 60/142,013
; EARLIER FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 97
; LENGTH: 606
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MBP-zalphall soluble receptor polypeptide sequence
US-09-522-217-97

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Db      384  VPRG-----SCPDLVCYTDYLQTVICILEMMNLHPSTLFLTWODQYEEUKD 4229
QY      61   EATSCSLHRSAHNATHATYTCHEMDVFFHFMADDIFSVNITDQSGNYSOECGSPFLAESIKP 120
Db      430  EATSCSLHRSAHNATHATYTCHEMDVFFHFMADDIFSVNITDQSGNYSOECGSPFLAESIKP 489
QY      121  APPFNVTVTSGQYNISWRSDYEDPAFYMLKGKLOYELOYNRGDPMWAVSPRKLISVDS 180
Db      490  APPFNVTVTSGQYNISWRSDYEDPAFYMLKGKLOYELOYNRGDPMWAVSPRKLISVDS 549
QY      181  RVSLLPLLEPRKQSSYELQVRAGMPGSSYQGTWSEWSDPVIFOTQSEELKEGWNPH 237
Db      550  RVSLLPLLEPRKQSSYELQVRAGMPGSSYQGTWSEWSDPVIFOTQSEELKEGWNPH 606

RESULT 7
US-09-404-641-51
; Sequence 51, Application US/09404641
; Patent No. 6576744
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Conklin, Darrell C.
; APPLICANT: NO. 6576744ak, Julia E.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZAP1HALL
; FILE REFERENCE: 98-55
; CURRENT APPLICATION NUMBER: US/09/404,641
; CURRENT FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/100,896
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: US 60/123,546
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: US 60/142,574
; PRIOR FILING DATE: 1999-07-06
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 51
; LENGTH: 606
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION:
US-09-404-641-51

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Db	181	GAGGCCACTCTCGAGGCTCAAGTTCGGCCCAATGGCCAGCATGCCACCTTACACC	240
Qy	241	TGCCACATGGATGATTCACCTTCATGGCCGACGACATTTTCAGTGTCAACATCACAGAC	300
Db	241	TGCCACATGGATGATTCACCTTCATGGCCGACGACATTTTCAGTGTCAACATCACAGAC	300
Qy	301	CAGTCTGGCAACTACTCCAGGAGTGTGGCAGCTTTCCTGGCTTGAGAGCAATCAAGCGG	360
Db	301	CAGTCTGGCAACTACTCCAGGAGTGTGGCAGCTTTCCTGGCTTGAGAGCAATCAAGCGG	360
Qy	361	GCTCCCCCTTTCAACGTGACGTGACCTTCTCAGACAGTATAATATCTCTCTGGCGCTCA	420
Db	361	GCTCCCCCTTTCAACGTGACGTGACCTTCTCAGACAGTATAATATCTCTCTGGCGCTCA	420
Qy	421	GATTACGAAGACCCCTGCCCTTCTACATGCTGAAGGCAAGCTTCAGTATGAGCTGCAGTAC	480
Db	421	GATTACGAAGACCCCTGCCCTTCTACATGCTGAAGGCAAGCTTCAGTATGAGCTGCAGTAC	480
Qy	481	AGGAACCGGGAGACCCCTGGGCTGTGAGTCCGAGGAAAGCTGATCTCAGTGGACTCA	540
Db	481	AGGAACCGGGAGACCCCTGGGCTGTGAGTCCGAGGAAAGCTGATCTCAGTGGACTCA	540
Qy	541	AGAAGTCTCTCCCTCTCCCTCCCTGGAGTTCGCAAGAGCTCGAGCTATGAGCTGCAGTG	600
Db	541	AGAAGTCTCTCCCTCTCCCTCCCTGGAGTTCGCAAGAGCTCGAGCTATGAGCTGCAGTG	600
Qy	601	CGGCGAGGCCCCATGCCCTGGCTCTCTCCPACAGGGGACCTGGAGTGAATGGAGTGACCCG	660
Db	601	CGGCGAGGCCCCATGCCCTGGCTCTCTCCPACAGGGGACCTGGAGTGAATGGAGTGACCCG	660
Qy	661	GTCACTTTTCAGACCCAGTCAGAGAGTTAAAGGAAGCTGGAAACCCCTCACTGCTGCTT	720
Db	661	GTCACTTTTCAGACCCAGTCAGAGAGTTAAAGGAAGCTGGAAACCCCTCACTGCTGCTT	720
Qy	721	CTCCTCTGCTTGTCAATAGCTTTCATTCCTGCCCTTCTGGAGCCTGAAGACCCATCCATTG	780
Db	721	CTCCTCTGCTTGTCAATAGCTTTCATTCCTGCCCTTCTGGAGCCTGAAGACCCATCCATTG	780
Qy	781	TGGAGGCTATGGAGAGACATATGGCCGCTCCCGACCCCTGAGCGGTTCCTCATGCCCTTG	840
Db	781	TGGAGGCTATGGAGAGACATATGGCCGCTCCCGACCCCTGAGCGGTTCCTCATGCCCTTG	840
Qy	841	TACAAGGGCTGACAGCGAGACTTCAAGAAATATGGTGGGTGCACCCCTTCACGTGGTCCAGC	900
Db	841	TACAAGGGCTGACAGCGAGACTTCAAGAAATATGGTGGGTGCACCCCTTCACGTGGTCCAGC	900
Qy	901	CTGGAGCTGGGACCCCTGGAGCCACAGAGTGCCTCCACCCCTGGAGGTGTACAGTGTCCAC	960
Db	901	CTGGAGCTGGGACCCCTGGAGCCACAGAGTGCCTCCACCCCTGGAGGTGTACAGTGTCCAC	960
Qy	961	CCACCCAGACGCCCTGTGGAGTG	983
Db	961	CCACCCAGGAGCGCGCCAAAG	983

## RESULT 2

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US-92-923-246-7
/ Sequence 7, Application US/099233246
/ Patent No. 6605272
/ GENERAL INFORMATION:
/ APPLICANT: No. 605272ak, Julia E.
/ APPLICANT: Presnell, Scott R.
/ APPLICANT: Spracher, Cindy A.
/ APPLICANT: Foster, Donald C.
/ APPLICANT: Holly, Richard D.
/ APPLICANT: Gross, Jane A.
/ APPLICANT: Johnston, Janet V.
/ APPLICANT: Nelson, Andrew J.
/ APPLICANT: Dillon, Stacey R.
/ APPLICANT: Hammond, Angela K.
/ TITLE OF INVENTION: NOVEL CYTOKINE
/ FILE REFERENCE: 99-16

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Db      781  TGGAGGCTATGGAAGAAGATATGGCGCTCCCGAGCCCTGAGCGGTCTTCTCATGCCCGCTG 840
Qy      841  TACAGAGGCTGCAGCGGAGACTTCAAGAAATGGTGGTGACCCCTTCACTGGCTCCAGC 900
Db      841  TACAAGGGCTGCAGCGGAGACTTCAAGAAATGGTGGTGACCCCTTCACTGGCTCCAGC 900
Qy      901  CTGAGGCTGGGACCCCTGGAGCCCGAGAGGTGGCCCTCCACCCTGAGGTGTACAGCTGCCAC 960
Db      901  CTGAGGCTGGGACCCCTGGAGCCCGAGAGGTGGCCCTCCACCCTGAGGTGTACAGCTGCCAC 960
Qy      961  CCACCAGAGCGCCGCGCAAGAG 983
Db      961  CCACCAGAGCGCCGCGCAAGAG 983
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## RESULT 3

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US-10-295-723-7
; Sequence 7, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHAL1 LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/10/295,723
; CURRENT FILING DATE: 2002-11-15
; PRIOR FILING DATE: 09/522,217
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: US 60/123,547
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: US 60/123,904
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/142,013
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 1614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-723-7
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Query Match      89.6%; Score 970.2; DB 4; Length 1614;
Best Local Similarity 99.2%; Pred. No. 2.8e-255;
Matches 975; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy      1  ATGCGCGTGGCTGGCGCGCCCTTGTCTCTGTGTCTCCAGGAGGCTGGGGCTGC 60
Db      1  ATGCGCGTGGCTGGCGCGCCCTTGTCTCTGTGTCTCCAGGAGGCTGGGGCTGC 60
Qy      61  CCCGACCTCGTGTGTACACGATTAACCTCCAGACGGTCACTGTGATCTGGAAATGGG 120
Db      61  CCCGACCTCGTGTGTACACGATTAACCTCCAGACGGTCACTGTGATCTGGAAATGGG 120
Qy      121  AACCTCCACCCAGCAGCTCACCTTACCTGGCAAGACCAAGTATGAAGCTGAGAC 180
Db      121  AACCTCCACCCAGCAGCTCACCTTACCTGGCAAGACCAAGTATGAAGCTGAGAC 180
Qy      181  GAGGCCACCTCTGAGGCTCCAGGTCGGCCCAATGCCATGCCATGCCACCTACACC 240
Db      181  GAGGCCACCTCTGAGGCTCCAGGTCGGCCCAATGCCATGCCATGCCACCTACACC 240
Qy      241  TGCACATGATGATTTCCATTTTCATGCCGCGACGATTTTCAGTGTCAACATCACAGAC 300
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Db      241  TGCACATGATGATTTCCATTTTCATGCCGCGACGATTTTTCAGTGTCAACATCACAGAC 300
Qy      301  CAGTCTGCAACTACTTCCAGGAGTGTGGAGCTTTTCTCTGGCTGAGAGCATCAAGCGG 360
Db      301  CAGTCTGCAACTACTTCCAGGAGTGTGGAGCTTTTCTCTGGCTGAGAGCATCAAGCGG 360
Qy      361  GCTCCCGCTTTCAAGCTGACTGTGACCTTCTCAGGACAGTATAATATCTCTCTGGCGCTCA 420
Db      361  GCTCCCGCTTTCAAGCTGACTGTGACCTTCTCAGGACAGTATAATATCTCTCTGGCGCTCA 420
Qy      421  GATTACGAAGACCCCTGCTTCTACATGCTGAAGGCAAGCTTTCAGTATGAGTGCAGTAC 480
Db      421  GATTACGAAGACCCCTGCTTCTACATGCTGAAGGCAAGCTTTCAGTATGAGTGCAGTAC 480
Qy      481  AGGAACCGGGAGAGACCCCTGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGGACTCA 540
Db      481  AGGAACCGGGAGAGACCCCTGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGGACTCA 540
Qy      541  AGAAGTGTCTCCCTCTCCCTCGAGTTCCGCAAGACTCGAGCTATGAGTGCAGGTG 600
Db      541  AGAAGTGTCTCCCTCTCCCTCGAGTTCCGCAAGACTCGAGCTATGAGTGCAGGTG 600
Qy      601  CGGACAGGCGCCCATGCTGCTCTCTTACACAGGAGACCTGGAGTGAATGGAGTGACCCG 660
Db      601  CGGACAGGCGCCCATGCTGCTCTCTTACACAGGAGACCTGGAGTGAATGGAGTGACCCG 660
Qy      661  GTCATCTTTAGACCCAGTCAAGAGGTTAAAGAAGCTGGAACCTCACTGCTGCTT 720
Db      661  GTCATCTTTAGACCCAGTCAAGAGGTTAAAGAAGCTGGAACCTCACTGCTGCTT 720
Qy      721  CTCCTCTGCTTGTGATAGTCTTCAATCTCTGAGCTTCTGAGCTGAAGACCATCATTTG 780
Db      721  CTCCTCTGCTTGTGATAGTCTTCAATCTCTGAGCTTCTGAGCTGAAGACCATCATTTG 780
Qy      781  TGGAGGCTATGGAAGAAGATATGGCGCTCCCGAGCCCTCCAGCGGTCTTTCATGCCCTG 840
Db      781  TGGAGGCTATGGAAGAAGATATGGCGCTCCCGAGCCCTCCAGCGGTCTTTCATGCCCTG 840
Qy      841  TACAAGGGCTGCAGCGGAGACTTCAAGAAATGGTGGTGACCCCTTCACTGGCTCCAGC 900
Db      841  TACAAGGGCTGCAGCGGAGACTTCAAGAAATGGTGGTGACCCCTTCACTGGCTCCAGC 900
Qy      901  CTGAGGCTGGGACCCCTGGAGCCCGAGAGTGGCCCTCCACCTGGAGGTGTACAGCTGCCAC 960
Db      901  CTGAGGCTGGGACCCCTGGAGCCCGAGAGTGGCCCTCCACCTGGAGGTGTACAGCTGCCAC 960
Qy      961  CCACCAGAGCGCCCTGTGGAGTG 983
Db      961  CCACCAGAGCGCCGCGCAAGAG 983
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## RESULT 4

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US-09-040-005-1
; Sequence 1, Application US/09040005
; Patent No. 6057128
; GENERAL INFORMATION:
; APPLICANT: Donaldson, Debra
; APPLICANT: Unger, Michelle
; TITLE OF INVENTION: MU-1 RECEPTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
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QY 301 CAGTCTGGCAACTACTCCAGGAGTGTGGCAGCTTTCTCTCTGAGAGCATCAAGCG 360
DB |||||
QY 369 CAGTCTGGCAACTATCTCCAGAGAGTGTGGCAGCTTTCTCTGCTGAGAGCATCAAGCG 428
DB |||||
QY 361 GCTCCCTCTTCAAGCTGACTGTGACCTTCTCAGGACAGTATAATATCTCTCTGGCGCTCA 420
DB |||||
QY 421 GATTACGAGAGACCTGCTCTACATGCTGAGGAGCAAGCTTCAGTATGAGCTGAGTAC 480
DB |||||
QY 489 GATTACGAGAGACCTGCTCTACATGCTGAGGAGCAAGCTTCAGTATGAGCTGAGTAC 548
DB |||||
QY 481 AGGAACCGGGAGACCTCTGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGACTCA 540
DB |||||
QY 549 AGGAACCGGGAGACCTCTGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGACTCA 608
DB |||||
QY 541 AGAAGTGTCTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
DB |||||
QY 609 AGAAGTGTCTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 668
DB |||||
QY 601 CGGGCAGGGCCCATGCTGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 660
DB |||||
QY 669 CGGGCAGGGCCCATGCTGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 728
DB |||||
QY 661 GTCATCTTTTCAGACCCAGTCAAGGAGTTAAAGGAGGCTGGAAACCTCACCCTGCTGCTT 720
DB |||||
QY 729 GTCATCTTTTCAGACCCAGTCAAGGAGTTAAAGGAGGCTGGAAACCTCACCCTGCTGCTT 788
DB |||||
QY 721 CTCCTCTCTGTTGTCATGTCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 780
DB |||||
QY 789 CTCCTCTCTGTTGTCATGTCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 848
DB |||||
QY 781 TGGAGGCTATGAAGAAGATATGGCGCTCCAGCCCTGAGCGGTCTTCTCATGCCCCCTG 840
DB |||||
QY 849 TGGAGGCTATGAAGAAGATATGGCGCTCCAGCCCTGAGCGGTCTTCTCATGCCCCCTG 908
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QY 841 TACAAAGGCTGAGGGGAGACTTCAAGAAATGGGTGGGTGCACCCCTTCACTGGCTCCAGC 900
DB |||||
QY 909 TACAAAGGCTGAGGGGAGACTTCAAGAAATGGGTGGGTGCACCCCTTCACTGGCTCCAGC 968
DB |||||
QY 901 CTGAGCTGGGACCTCTGAGGCCAGAGGTGCGCTTCAAGGAGGCTGAGGAGTGTACAGCTG 960
DB |||||
QY 969 CTGAGCTGGGACCTCTGAGGCCAGAGGTGCGCTTCAAGGAGGCTGAGGAGTGTACAGCTG 1028
DB |||||
QY 961 CCACCAGCAGCGCTGTGGAGTG 983
DB |||||
QY 1029 CCACCAGCAGCGCGCCCAAGAG 1051
DB |||||
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## RESULT 6

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US-09-404-641-4
; Sequence 4, Application US/09404641
; Patent No. 6576744
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Conklin, Darrell C.
; APPLICANT: No. 6576744ak, Julia E.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZAPLH11
; FILE REFERENCE: 98-55
; CURRENT APPLICATION NUMBER: US/09/404,641
; CURRENT FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/100,896
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: US 60/123,546
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: US 60/142,574
; PRIOR FILING DATE: 1999-07-06
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1614
; TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: degenerate nucleotide sequence of zalphall
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1614)
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1614)
; OTHER INFORMATION: n = A,T,C or G
US-09-404-641-4
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Query Match 64.3%; Score 696.6; DB 4; Length 1614;

Best Local Similarity 56.7%; Pred. No. 1.5e-180;

Matches 557; Conservative 243; Mismatches 183; Indels 0; Gaps 0;

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QY 1 ATGCGCGTGGCTGGCGCGCCCTTGTCTCTGCTGCTGCCAGGAGGCTGGGGCTGC 60
DB |||||
QY 61 CCCGACCTCTGCTGCTACCGGATTACCTCCAGAGGTCATCTGCTCTGCTGCTGCTGCTGCT 120
DB |||||
QY 61 CCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
DB |||||
QY 121 AACCTCCACCCAGCAGCTCACCTTACCTGCGCAAGACAGTATGAAGAGCTGAAGGAC 180
DB |||||
QY 121 AATYTCACCCAGCAGCTCACCTTACCTGCGCAAGACAGTATGAAGAGCTGAAGGAC 180
DB |||||
QY 181 GAGGCCACCTCTGCGAGCTCCAGAGCTGGCGCCCAATGCCAGCTGCCACCTACACCC 240
DB |||||
QY 181 GAGGCCACCTCTGCGAGCTCCAGAGCTGGCGCCCAATGCCAGCTGCCACCTACACCC 240
DB |||||
QY 241 TGCACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
DB |||||
QY 241 TGCACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
DB |||||
QY 301 CAGTCTGCACTACTCCAGGAGTGTGGCAGCTTTCTCTCTGCTGAGAGCATCAAGCG 360
DB |||||
QY 301 CARWSNGNAATATYWSNCARAGTGTGGGNSNTTYYTNYTNGCNGARWSNATHAARCN 360
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QY 361 GCTCCCTCTTCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB |||||
QY 361 GCTCCCTCTTCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB |||||
QY 421 GATTACGAGACCTGCTGCTTCTACATGCTGAGGCGAGCTTCAGTATGAGCTGAGTAC 480
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QY 421 GATTACGAGACCTGCTGCTTCTACATGCTGAGGCGAGCTTCAGTATGAGCTGAGTAC 480
DB |||||
QY 481 AGGAACCGGGAGACCTCTGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGACTCA 540
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QY 481 AGGAACCGGGAGACCTCTGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGACTCA 540
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QY 541 AGAAGTGTCTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
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QY 541 AGAAGTGTCTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
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DB |||||
QY 601 CGGGCAGGGCCCATGCTGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 660
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QY 661 GTCATCTTTTCAGACCCAGTCAAGGAGTTAAAGGAGGCTGGAAACCTCACCCTGCTGCTT 720
DB |||||
QY 661 GTCATCTTTTCAGACCCAGTCAAGGAGTTAAAGGAGGCTGGAAACCTCACCCTGCTGCTT 720
DB |||||
QY 721 CTCCTCTCTGTTGTCATGTCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 780
DB |||||
QY 721 CTCCTCTCTGTTGTCATGTCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 780
DB |||||
QY 781 TGGAGGCTATGAAGAAGATATGGCGCTCCAGCCCTGAGCGGTCTTCTCATGCCCCCTG 840
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QY 781 TGGAGGCTATGAAGAAGATATGGCGCTCCAGCCCTGAGCGGTCTTCTCATGCCCCCTG 840
DB |||||
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QY 841 TACAAGGGCTGCAGGAGACTTCAAGAAATGGGTGGGTGACCCCTTCACTGGCTCCAGC 900  
Db 841 TAYAAAGGNTGYWSNGGNGAYTAYAAARTGGGTGGGNGCNCNTTACNGGNSWNSN 900  
QY 901 CTGGAGCTGGGACCTCTGAGCCGAGAGGTGCGCTCCACCTCGAGGTGTACAGCTGCCAC 960  
Db 901 YTGARYTNGGNCNTGWSNCCNGARGTNCNWSNACNTYNGARGTNTAYWSNTGYCA 960  
QY 961 CCACCCAGCAGCCCTGTGGAGTG 983  
Db 961 CCNCCNMGWSNCCNGCNAARMG 983

RESULT 7  
US-09-522-217-96  
; Sequence 96, Application US/09522217  
; Patent No. 6307024  
; GENERAL INFORMATION:  
; APPLICANT: No. 6307024ak, Julia E.  
; APPLICANT: Presnell, Scott R.  
; APPLICANT: Sprecher, Cindy A.  
; APPLICANT: Foster, Donald C.  
; APPLICANT: Holly, Richard D.  
; APPLICANT: Gross, Jane A.  
; APPLICANT: Johnston, Janet V.  
; APPLICANT: Nelson, Andrew J.  
; APPLICANT: Dillon, Stacey R.  
; APPLICANT: Hammond, Angela K.  
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHALL LIGAND  
; FILE REFERENCE: 99-16  
; CURRENT APPLICATION NUMBER: US/09/522,217  
; CURRENT FILING DATE: 2000-03-09  
; EARLIER APPLICATION NUMBER: US 60/123,547  
; EARLIER FILING DATE: 1999-03-09  
; EARLIER APPLICATION NUMBER: US 60/123,904  
; EARLIER FILING DATE: 1999-03-11  
; EARLIER APPLICATION NUMBER: US 60/142,013  
; EARLIER FILING DATE: 1999-07-01  
; NUMBER OF SEQ ID NOS: 115  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 96  
; LENGTH: 1821  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(1821)  
; OTHER INFORMATION: MBP-zalphall soluble receptor polynucleotide  
; OTHER INFORMATION: sequence  
US-09-522-217-96

Query Match 60.5%; Score 655; DB 4; Length 1821;  
Best Local Similarity 100.0%; Pred. No. 3.6e-169;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 CTGCCCCGACCTGCTGTCTACACCGATTACTCTCCAGACGGTCTATGCACTCTGGAAAT 116  
Db 1164 CTGCCCCGACCTGCTGTCTACACCGATTACTCTCCAGACGGTCTATGCACTCTGGAAAT 1223  
QY 117 GTGGAACCTCCACCCGACGCTCACCCCTTACTTGGCAAGCAGATGAGAGCTGAA 176  
Db 1224 GTGGAACCTCCACCCGACGCTCACCCCTTACTTGGCAAGCAGATGAGAGCTGAA 1283  
QY 177 GGAGAGGCCACCTCTCTGACCTCCACAGGTGGGCCCCACAAATGCCAGCATGCCACTA 236  
Db 1284 GGAGAGGCCACCTCTCTGACCTCCACAGGTGGGCCCCACAAATGCCAGCATGCCACTA 1343  
QY 237 CACTGGCACATGATGTATTCACCTTCATGCGCCGACGACATTTTCAGTGTCAACATCAC 296  
Db 1344 CACTGGCACATGATGTATTCACCTTCATGCGCCGACGACATTTTCAGTGTCAACATCAC 1403  
QY 297 AGACACTCTGGCAACTACTCCAGGAGTGTGGAGCTTTCTCTGCTGCTGAGAGCATCAA 356

Db 1404 AGACCACTCTGGCACTACTCTCCAGGAGTGTGGCAGCTTTCTCTGGCTGAGAGCATCAA 1463  
QY 357 GCCGGTCCCCCTTTCAACGTGACTGTGACCTTCTCAGGACAGTATAATATCTCTCTGGCG 416  
Db 1464 GCCGGTCCCCCTTTCAACGTGACTGTGACCTTCTCAGGACAGTATAATATCTCTCTGGCG 1523  
QY 417 CTCAGATTACGAAGACCTGCTTCTACATGCTGAAGGGCAAGCTTCAGTATGAGCTGCA 476  
Db 1524 CTCAGATTACGAAGACCTGCTTCTACATGCTGAAGGGCAAGCTTCAGTATGAGCTGCA 1583  
QY 477 GTACAGGAACCGGGGAGACCCCTGGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGGCA 536  
Db 1584 GTACAGGAACCGGGGAGACCCCTGGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGGCA 1643  
QY 537 CTCAGAAAGTGTCT 596  
Db 1644 CTCAGAAAGTGTCT 1703  
QY 597 GGTGGGGGAGGGGCCCATGCTGCT 656  
Db 1704 GGTGGGGGAGGGGCCCATGCTGCT 1763  
QY 657 CCGGTCATCTTTTCAGACCCAGTCAGAGGAGTTAAAGGAGGCTGGAAACCCCTCAC 711  
Db 1764 CCGGTCATCTTTTCAGACCCAGTCAGAGGAGTTAAAGGAGGCTGGAAACCCCTCAC 1818

RESULT 8  
US-09-404-641-50  
; Sequence 50, Application US/09404641  
; Patent No. 6576744  
; GENERAL INFORMATION:  
; APPLICANT: Presnell, Scott R.  
; APPLICANT: Conklin, Darrell C.  
; APPLICANT: No. 6576744ak, Julia E.  
; APPLICANT: Hammond, Angela K.  
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZALPHALL  
; FILE REFERENCE: 98-55  
; CURRENT APPLICATION NUMBER: US/09/404,641  
; CURRENT FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: US 60/100,896  
; PRIOR FILING DATE: 1998-09-23  
; PRIOR APPLICATION NUMBER: US 60/123,546  
; PRIOR FILING DATE: 1999-03-09  
; PRIOR APPLICATION NUMBER: US 60/142,574  
; PRIOR FILING DATE: 1999-07-06  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 50  
; LENGTH: 1821  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polynucleotide encoding MBP-zalphall soluble  
; OTHER INFORMATION: receptor fusion  
; NAME/KEY: CDS  
; LOCATION: (1)...(1821)  
US-09-404-641-50

Query Match 60.5%; Score 655; DB 4; Length 1821;  
Best Local Similarity 100.0%; Pred. No. 3.6e-169;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 CTGCCCCGACCTGCTGTCTACACCGATTACTCTCCAGACGGTCTATGCACTCTGGAAAT 116  
Db 1164 CTGCCCCGACCTGCTGTCTACACCGATTACTCTCCAGACGGTCTATGCACTCTGGAAAT 1223  
QY 117 GTGGAACCTCCACCCGACGCTCACCCCTTACTTGGCAAGCAGATGAGAGCTGAA 176  
Db 1224 GTGGAACCTCCACCCGACGCTCACCCCTTACTTGGCAAGCAGATGAGAGCTGAA 1283  
QY 177 GGAGAGGCCACCTCTCTGACCTCCACAGGTGGGCCCCACAAATGCCAGCATGCCACTA 236